Welcome to our Maths Workshop.



Please find a place to sit, so you can see the screen comfortably.

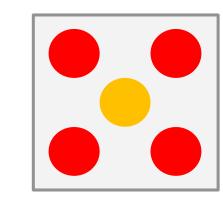
Leave a space next to you for your child. Probably 3 or 4 adults per table.





#### **Mastering Number at Home**

Year 2







### Aims of the session

- Share with you some of the things your child will be learning in school
- Improve your confidence in helping your child with maths
- Create some games and activities for use at home
- Share with you the home learning activities
- Let you know about other ways you can support at home.



# Why engage you in your child's learning?

Research evidence suggests that when parents are engaged in their children's learning, outcomes for children can be improved.

Research also highlights the fact that parents feel they need more support to understand the current curriculum content and how they can support their child with their learning at home.

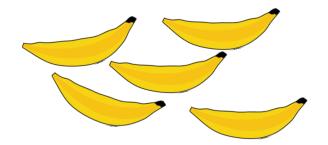
Desforges, C. and Abouchaar, A. (2003); Goodall, J. and Vorhaus, J. (2011); The Education Endowment Foundation (2019); Sarjeant, S. (2021)



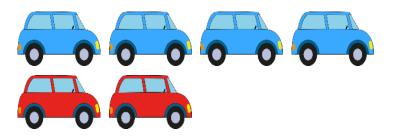
#### How does Mastering Number help us to teach maths in school?

The Mastering Number Programme in Year 2 will help your child to develop good *number sense*.

Some of the things they are learning include:



Recognising small numbers of objects without having to count them



Know different ways to 'make' (compose) a number



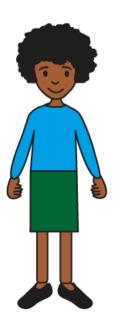
How does knowing how numbers are 'made' help children?

I know that 8 is made of 5 and 3 so I will also know...

5 + 3 = 8

8 - 3 = 5



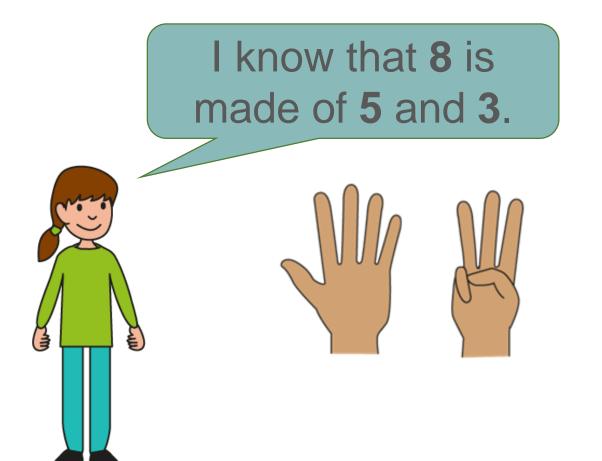


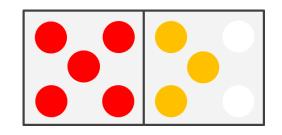
50 + 30 = 80500 + 300 = 8000.5 + 0.3 = 0.80.8 - 0.3 = 0.5

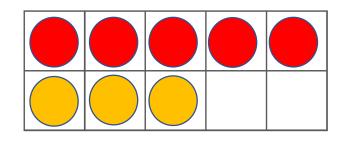


#### Looking at the numbers 6, 7, 8 and 9

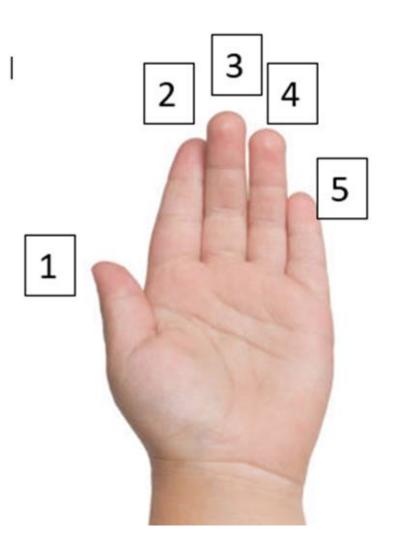
Children will learn that these numbers all have 5 'inside them', as well as seeing all the ways they can be made.

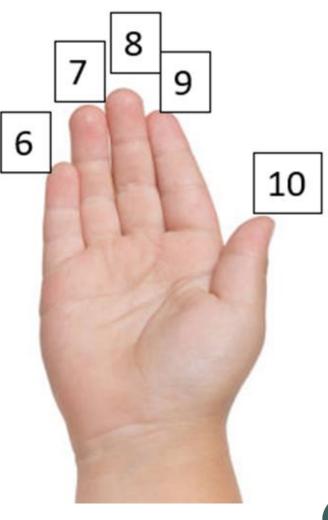






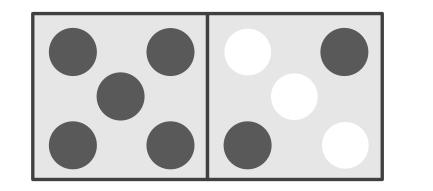


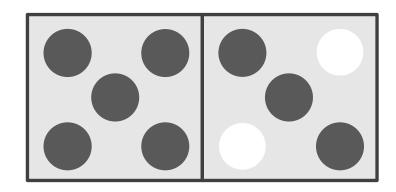




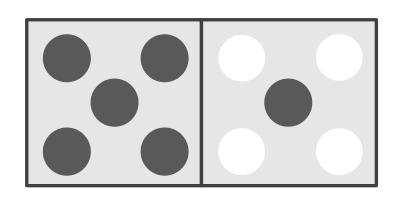


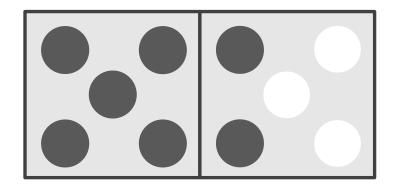
Prepare the matching activity by cutting out the cards











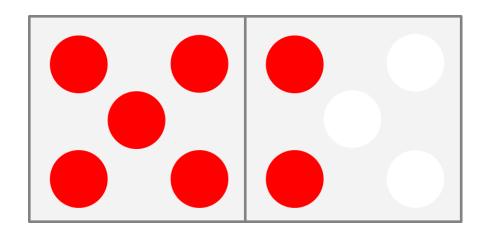


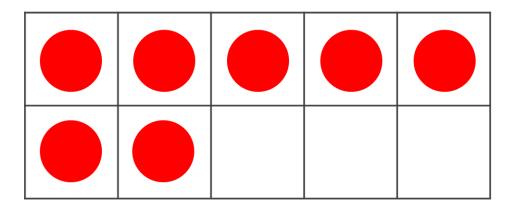
Week 1

# Play 'Copy my number'

Grown-ups: place 7 counters on the dice frame as shown.

Children: can you make the same number on the 10 frame showing it as '5 and a bit'?



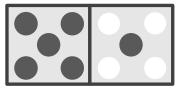


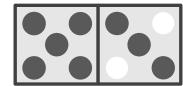
is made of 5 and 5 and make	NCETM NATIONAL CENTRE FOR EXCELLENC IN THE TEACHING OF MATHEMATIC
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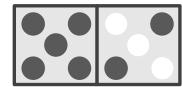
# Play 'Shows 7 / Does not show 7'

Sort the cards:

Shows 7	Does NOT show 7	



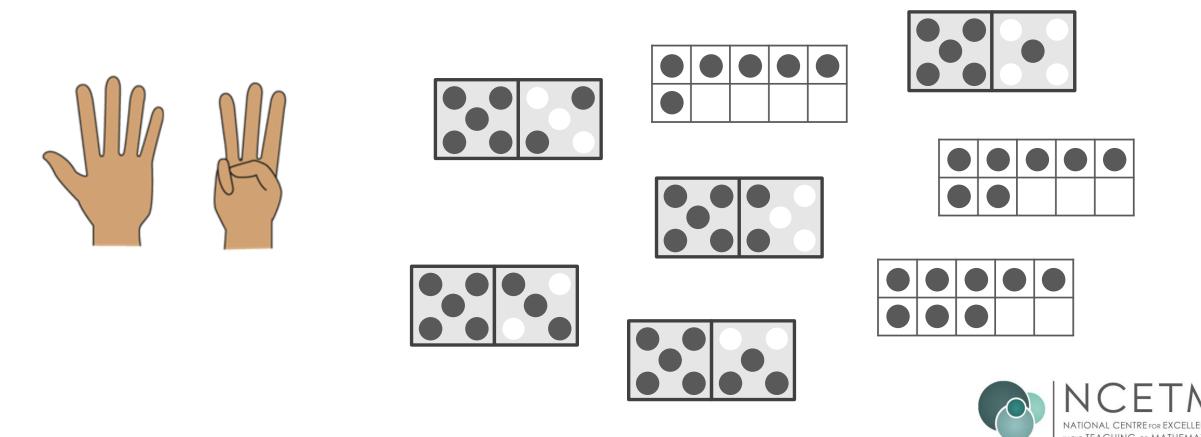


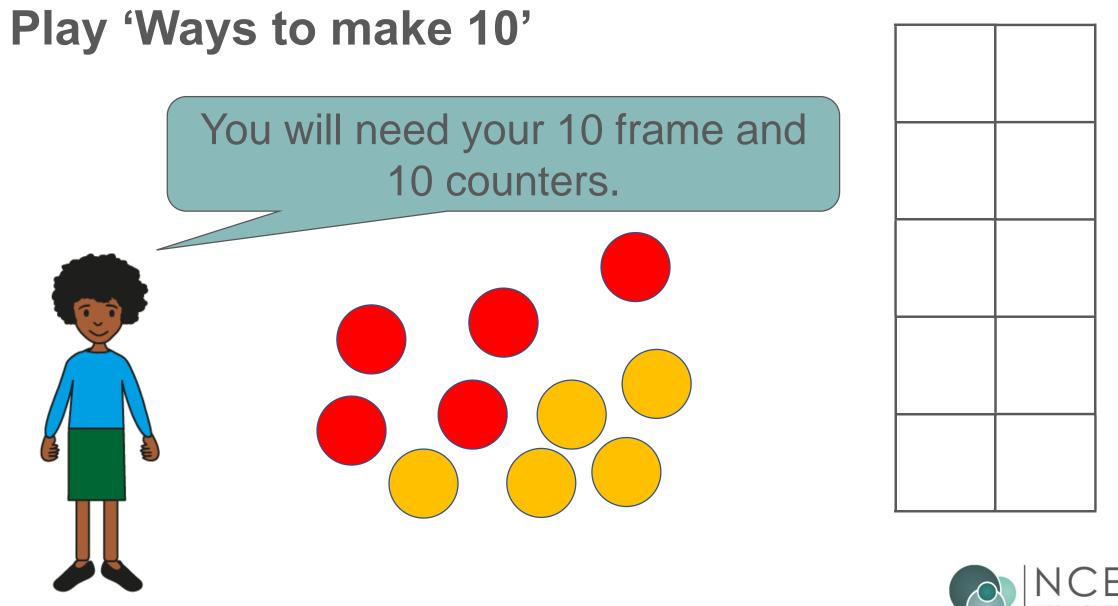




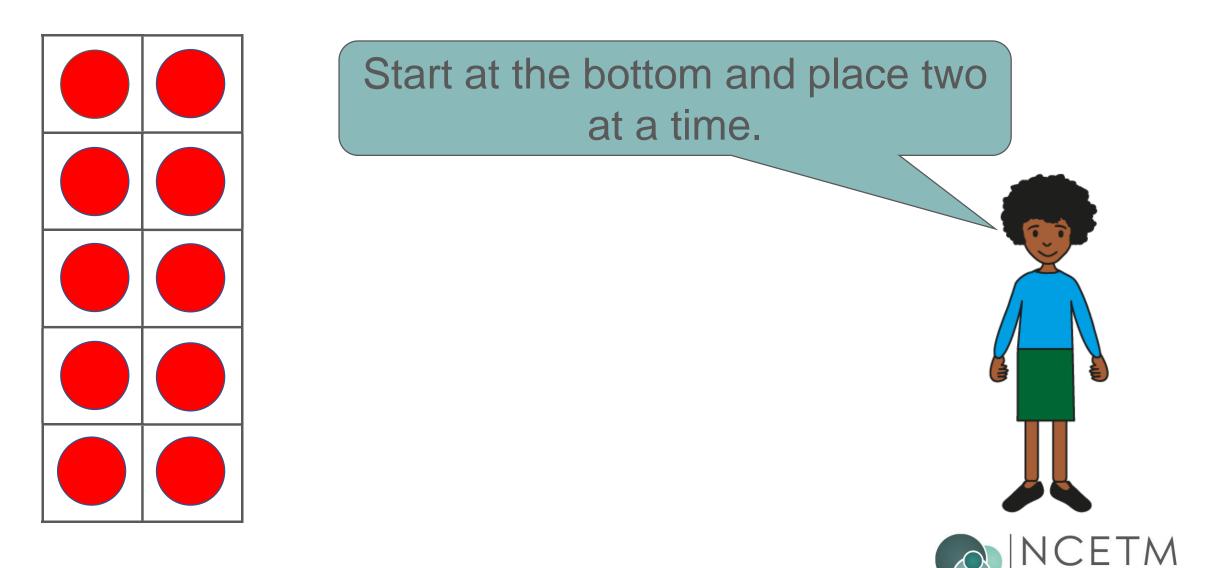
# Play 'Match my fingers'

Grown-ups: use your fingers to show a number between 5 and 9. Children: can you find four cards that show the same number?



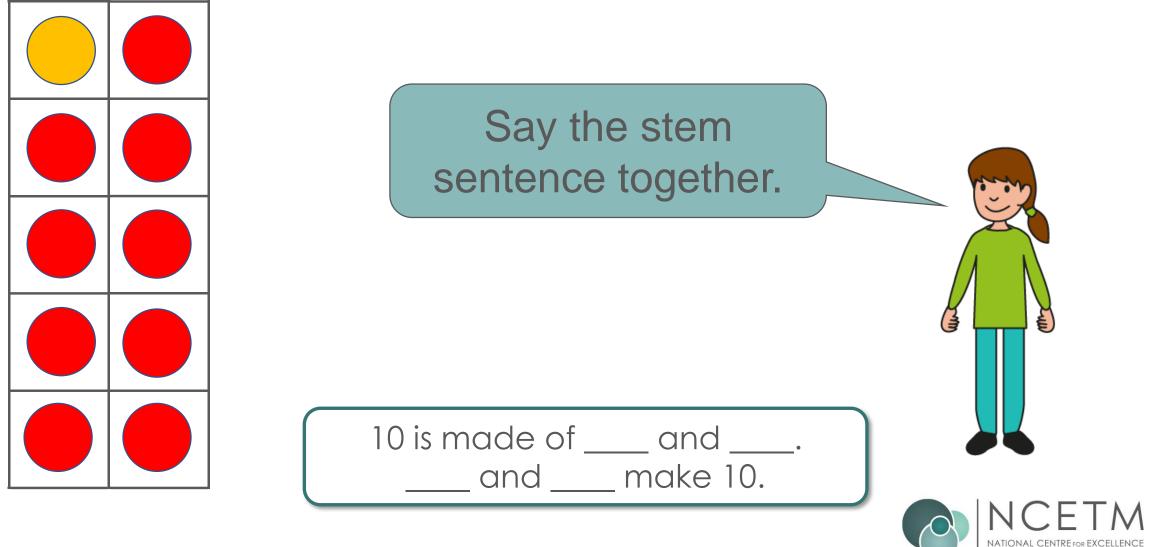


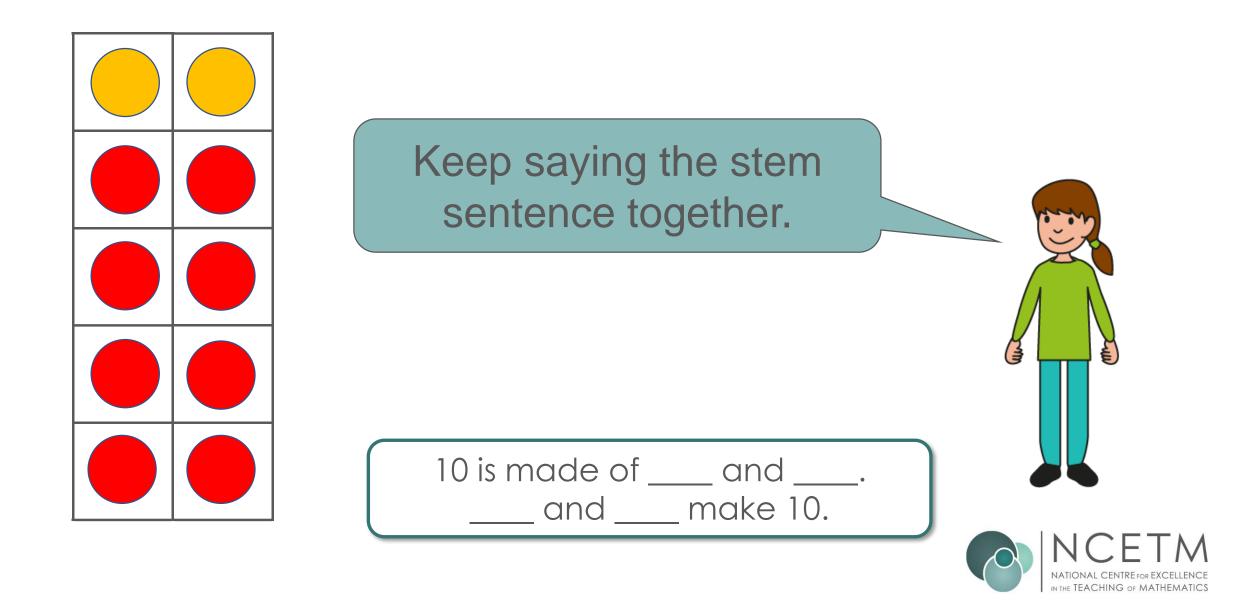
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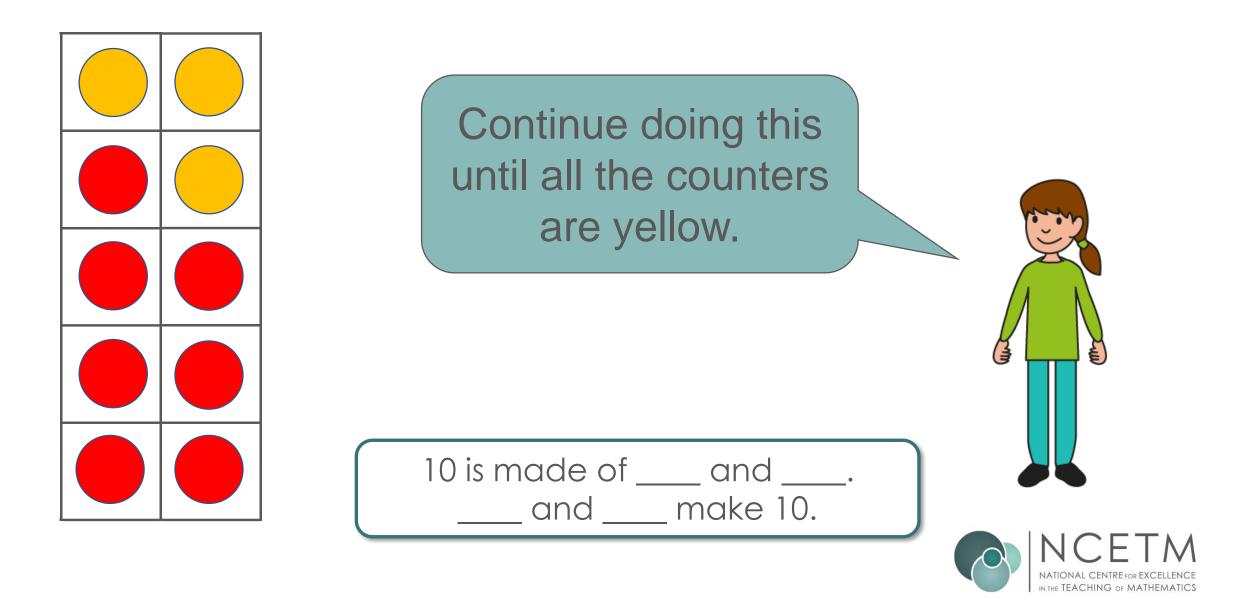


Children: Place the counters on the 10-frame so they are all red.

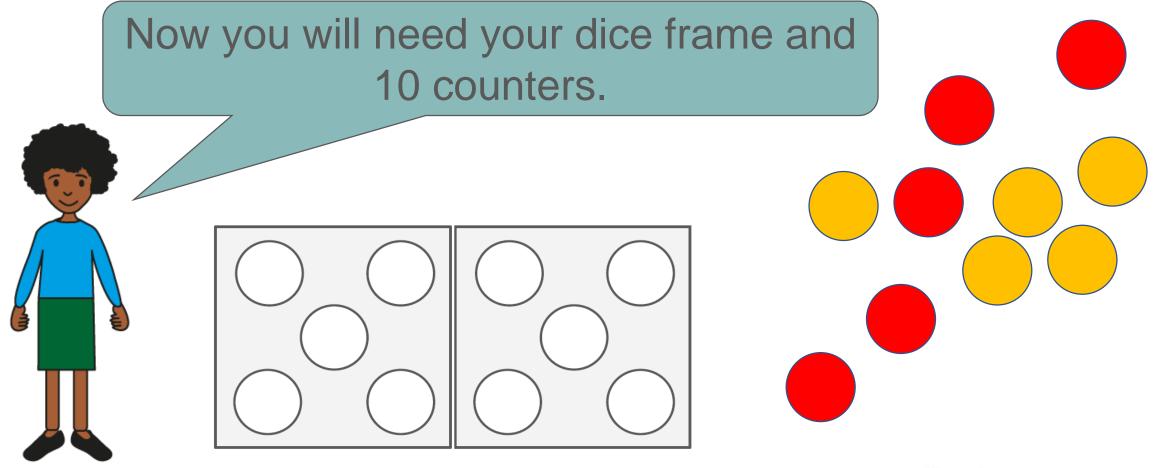
Grown-ups: turn one counter over at a time.





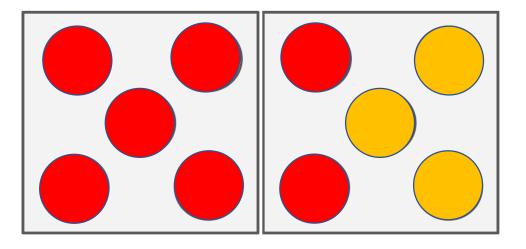


# Play 'How many more to make 10?'



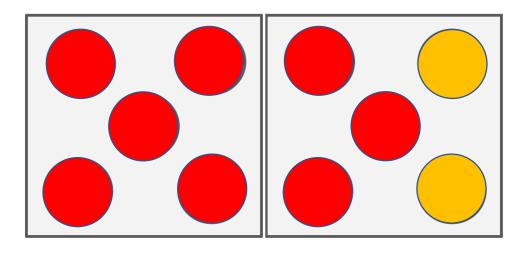


Grown-ups: Place 7 red counters onto the dice frame, using the '5 and a bit' pattern. Children: Fill the spaces with yellow counters and use the stem sentence.





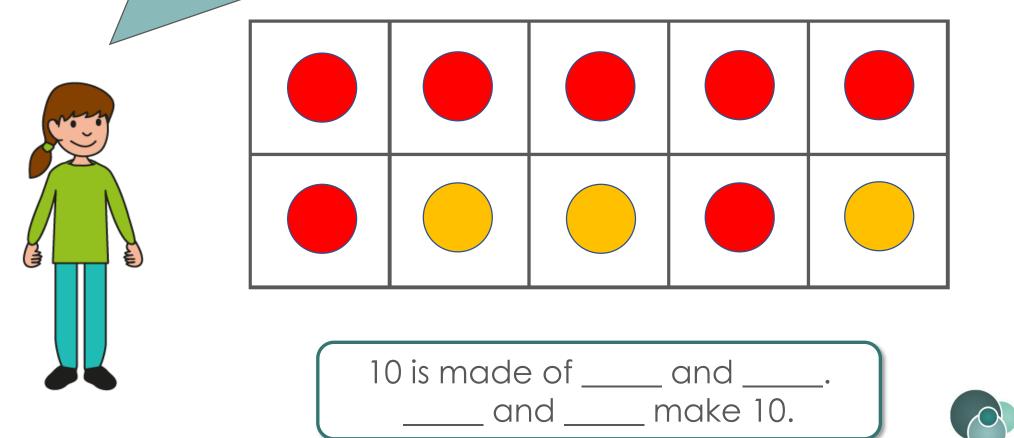
Grown-ups: Repeat using a different '5 and a bit' number (e.g. 6, 8 or 9).





In Week 3, children will be asked to say how many are needed to make 10 without filling the spaces.

You could play the same game using the 10-frame – this might be more tricky!

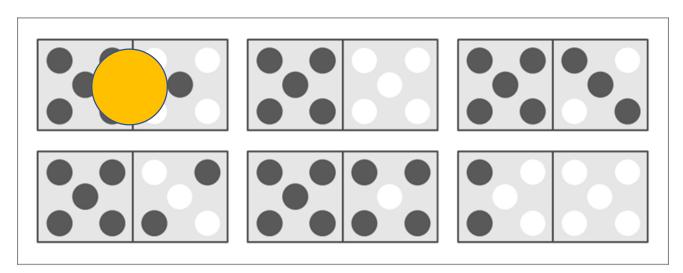




### Introducing 'Make it 10 Bingo'

Player 1: pick a caller card and read it out Player 2: find the number that makes 10 and cover it with a counter.

What does 4 need to make 10?

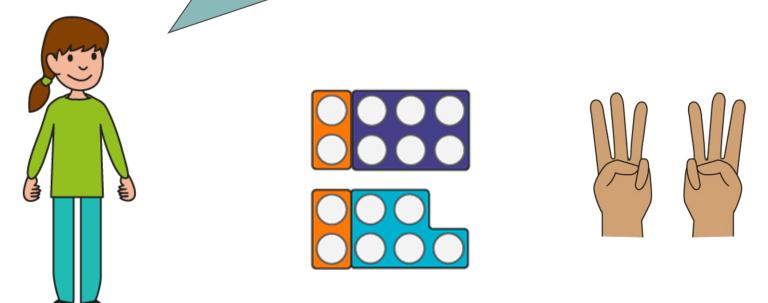


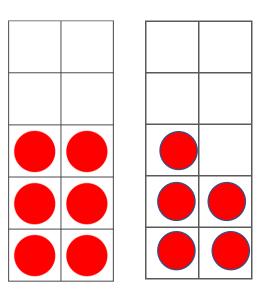
needs \_\_\_\_\_ to make 10.



#### Odd and even numbers 'inside' other numbers



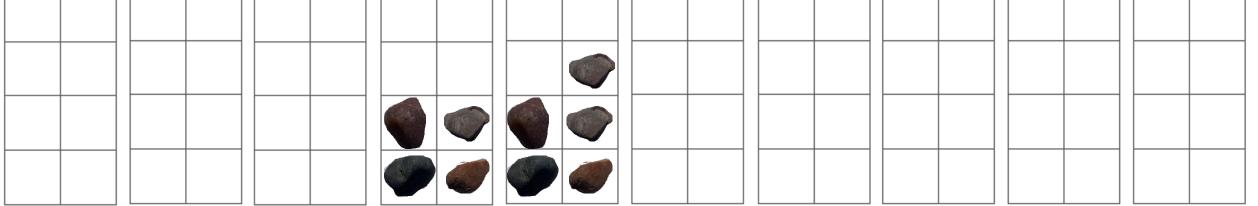


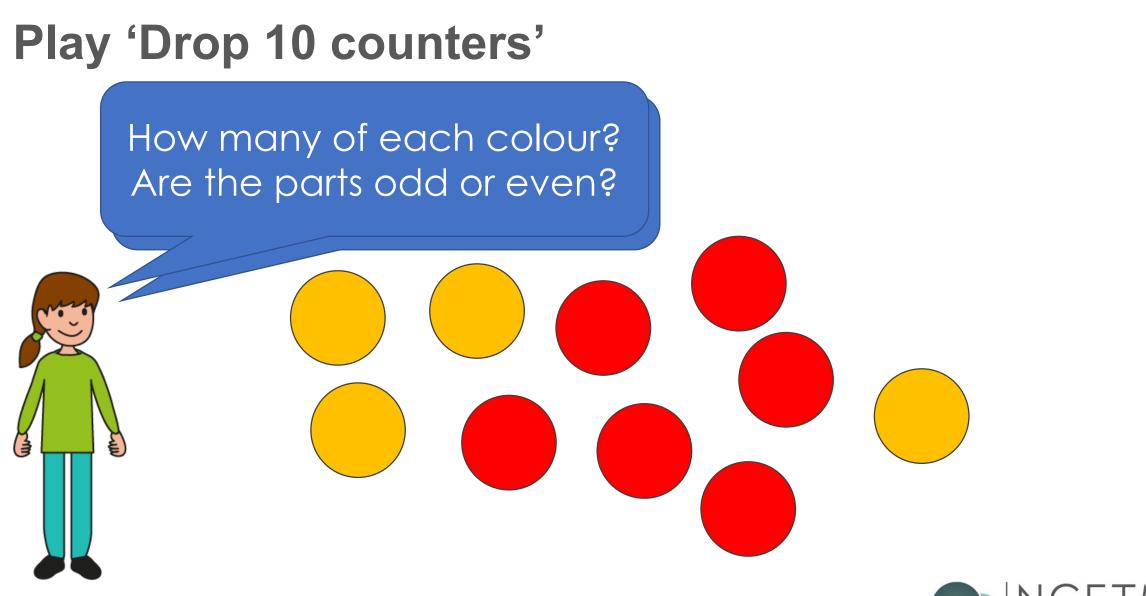




Use your objects to show the numbers on the 10-frames. Place them in the order shown.

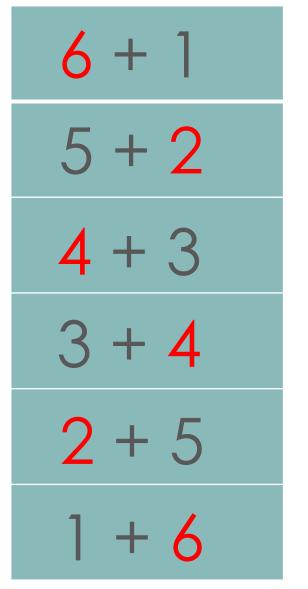
What do you notice about the pattern that is being made by 4 or 5 objects?

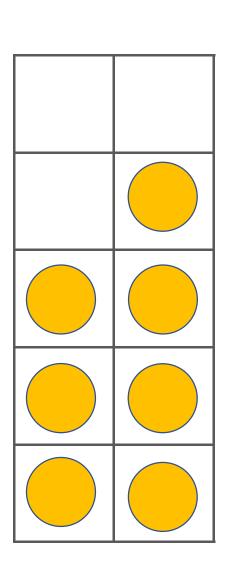


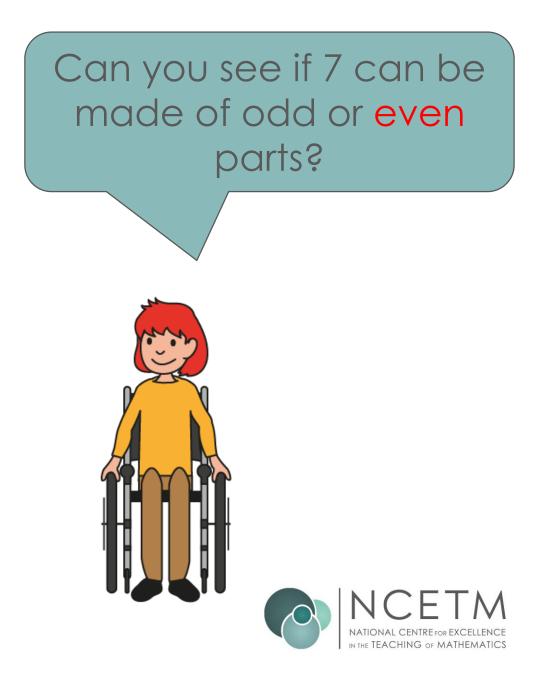


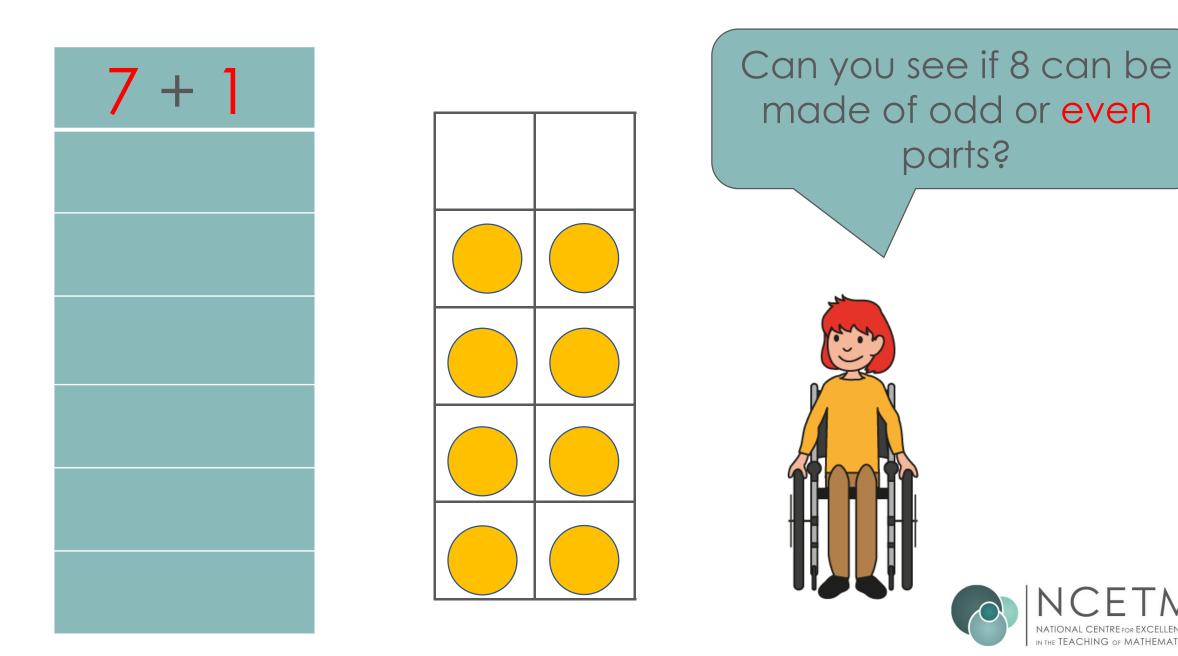


Play 'Ways of making 7 and 8'



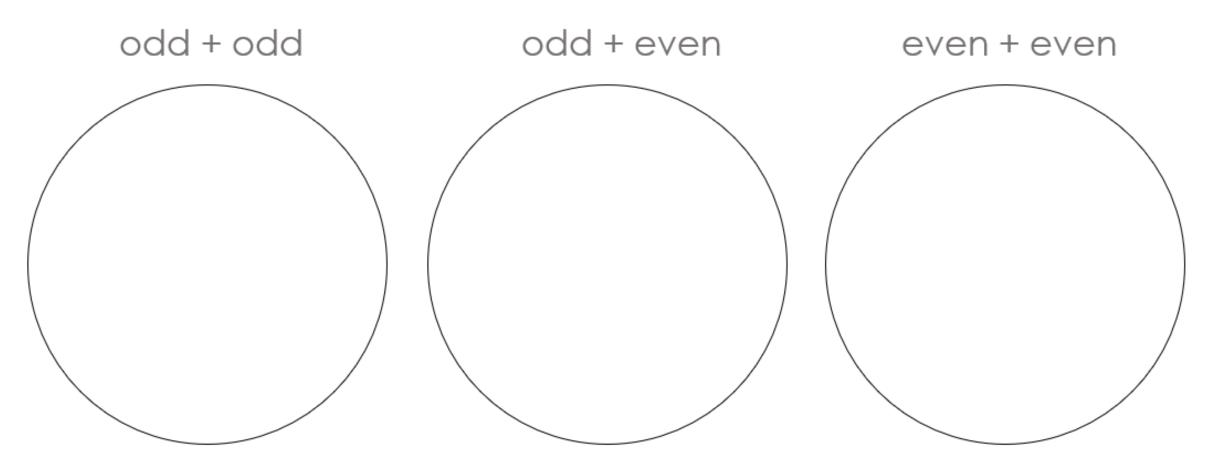






Week 5

#### Introducing 'Sorting expressions'





Week 5

# **Home Learning**

You are going to take all the games we made today home with you to practise.

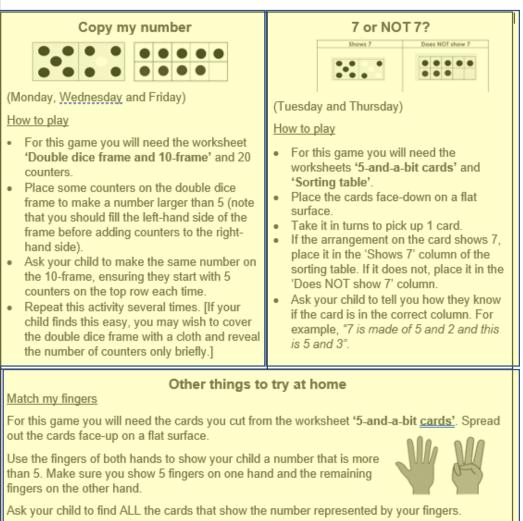
The home learning for this week is set out on a sheet with instructions. You will receive a new sheet and some new activities each week.



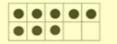


#### Mastering Number at Home

Year 2 - Week 1











Mastering Number at Home

My Diary - Year 2 Week 1.

Please complete your diary with your grown-up every day.

Man	~~·	
NUL	IC.	

Day	Activities completed (please tick)	~	Grown-ups – comment about your child's learning	
Mon	We played 'Copy my number.'	v	Joe was able to copy all the numbers I showed.	
Tues	We played, 'Shows7/ does NOT show 7.'			
Wed	We played 'Copy my number.'			
Thurs	We played, 'Shows7/ does NOT show 7.'			
Fri	We played 'Copy my number.'			
Grown-ups – please indicate how you and your child found the work this				

Grown-ups – please indicate how you and your child found the work this week.





# What else can we do to help at home?

#### Get a bit old-fashioned

- Tell the time particularly on an analogue 'real' clock.
- Use money.

#### Know Facts – by end of year 2

- Number bonds to 20
- 2x, 5x, 10 x facts and the division facts



Thank you

# Resources will be on the website.

Please do enjoy these activites.



# References

Axford, N., Berry, V., Lloyd, J., Moore, D., Rogers, M., Hurst, A., Blockley, K., Durkin, H. and Minton, J. (2019) How Can Schools Support Parents' Engagement in their Children's Learning? Evidence from Research and Practice. London: Education Endowment Foundation.

Desforges, C. & Abouchaar, A. (2003), The impact of parental involvement, parental support and family education on pupil achievement and adjustment: A literature review. London: Department for Education and Skills.

Goodall, J & Vorhaus, J (2011), Review of Best Practice in Parental Engagement. Department for Education.

Sarjeant, S (2021) Engaging parents in children's literacy: an investigation into the Impact in Writing programme as a strategy for parental engagement. Available at: <u>https://orca.cardiff.ac.uk/id/eprint/136692/3/1576474%20Suzanne%20Sarjeant%20-</u> <u>%20Final%20thesis%20(002).pdf</u> (Accessed 03.10.2022)

